

Converting Colors

$Y_{xy}(30.1512, 0.2299, 0.3452)$

Have a look what the booklet for
Yxy(30.1512, 0.2299, 0.3452)
contains.

Yxy(30.1512, 0.2299, 0.3452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.1512, 0.2299, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	07A79E
RGB	7, 167, 158
RGB Percent	3%, 65%, 62%
CMY	0.9716, 0.3451, 0.3804
CMYK	0.96, 0.00, 0.05, 0.35
HSL	177°, 92%, 34%
HSV	177°, 96%, 65%
XYZ	20.0804, 30.1512, 37.1125
YIQ	118.1340, -92.4710, -36.7190

Conversions

Conversions Part 2

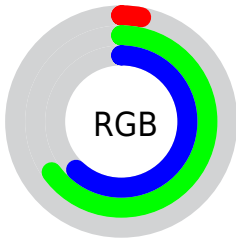
Format	Color
RYB	7, 89, 167
Decimal	501662
CIELab	61.78, -37.48, -5.60
CIELCh	62, 37.900, 188.490
Yxy	30.1512, 0.2299, 0.3452
Android (android.graphics.Color)	4278691742 (0xFF07A79E)
YUV	118.1340, 19.6539, -97.4645
Hunter-Lab	54.9101, -30.8159, -1.6357

Details

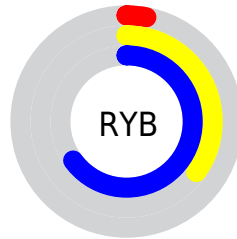
The Yxy color **30.1512, 0.2299, 0.3452** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4106, 0.6246, 0.3261**, and the grayscale version is **18.1437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0123, 0.2458, 0.3422**, and **13.0962, 0.2297, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **30.0916, 0.2294, 0.3460**, and if you desaturate by 10%, it is **30.3316, 0.2315, 0.3434**.

Distribution



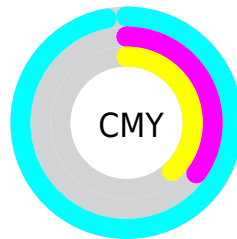
- Red (3%)
- Green (65%)
- Blue (62%)



- Red (3%)
- Yellow (35%)
- Blue (65%)



- Cyan (96%)
- Magenta (0%)
- Yellow (5%)
- Black (35%)





- Cyan (97%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1512, 0.2299, 0.3452 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.1512, 0.2299, 0.3452 by changing the saturation by 10% instead.


 30.1512, 0.2299,
0.3452


 30.1512, 0.2299,
0.3452


 302.6086, 0.2734,
0.3374


 19.9534, 0.2184,
0.3469


 59.9012, 0.2462,
0.3425


 12.3612, 0.2033,
0.3490


 80.2222, 0.2522,
0.3415


 6.9901, 0.1828,
0.3513


 104.6863, 0.2571,
0.3405

 3.4559, 0.1534,
0.3536

 133.6781, 0.2614,
0.3398

 1.3741, 0.0859,
0.3632

 167.5818, 0.2650,
0.3391

 0.1976, 0.0000,
0.2458

 206.7818, 0.2682,

 0.0000, 0.0000,

0.3385

0.0000

251.6626, 0.2710,
0.3379

■ 30.1512, 0.2299,
0.3452

■ 30.1512, 0.2299,
0.3452

■ 30.0916, 0.2294,
0.3460

■ 30.3316, 0.2315,
0.3434

■ 30.6349, 0.2347,
0.3415

■ 31.0838, 0.2398,
0.3397

■ 31.6946, 0.2467,
0.3378

■ 32.4816, 0.2555,
0.3361

■ 33.4576, 0.2658,
0.3343

■ 34.6340, 0.2777,
0.3327

■ 36.0214, 0.2907,
0.3312

■ 37.6297, 0.3046,
0.3297

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1512, 0.2763, 0.4056



30.1512, 0.2299, 0.3452



30.1512, 0.2062, 0.2865

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.1512, 0.2299, 0.3452



30.1512, 0.2810, 0.2411



30.1512, 0.4278, 0.3985

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.1512, 0.2299, 0.3452



8.4106, 0.6246, 0.3261

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.1512, 0.4323, 0.3527



30.1512, 0.2299, 0.3452



30.1512, 0.3424, 0.2669

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.1512, 0.2299, 0.3452



30.1512, 0.2334, 0.2337



30.1512, 0.4001, 0.3063



30.1512, 0.3910, 0.4327

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.1512, 0.2299, 0.3452



30.1512, 0.2045, 0.2582



30.1512, 0.4001, 0.3063



30.1512, 0.4334, 0.3838

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.1523, 0.2299, 0.3452



61.1713, 0.2729, 0.3333



27.7801, 0.3020, 0.5947



13.4983, 0.2681, 0.3340



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.1523, 0.2299, 0.3452



53.8832, 0.2295, 0.3463



11.5293, 0.1867, 0.1886



8.5247, 0.2994, 0.3302



23.0295, 0.2294, 0.3458



0.5624, 0.2277, 0.3397

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



8.4106, 0.6246, 0.3261



14.7405, 0.6352, 0.3273



13.4651, 0.5487, 0.3974



7.5489, 0.3277, 0.3278



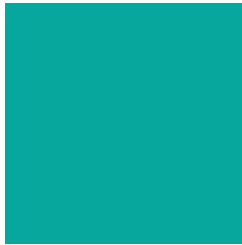
6.3048, 0.6324, 0.3257



0.1555, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 30.1512, 0.2299, 0.3452 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.1512, 0.2299, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

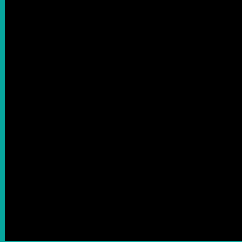
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1512, 0.2299, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 30.1512, 0.2299, 0.3452.

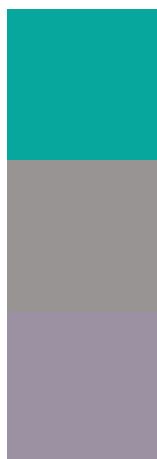


This preview shows how white text looks on a background with the Yxy color 30.1512, 0.2299, 0.3452.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.1512, 0.2299, 0.3452

Protanopia

29.8657, 0.3168, 0.3306

Deuteranopia

29.6588, 0.3068, 0.3004



Tritanopia

30.1373, 0.2237, 0.3063

Trichromacy



Original Color

30.1512, 0.2299, 0.3452

Protanomaly

28.3297, 0.2662, 0.3359

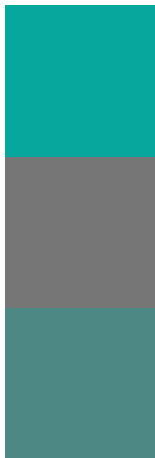
Deuteranomaly

27.8545, 0.2604, 0.3134

Tritanomaly

30.0456, 0.2253, 0.3199

Monochromacy



Original Color

30.1512, 0.2299, 0.3452

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

20.9215, 0.2590, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1512, 0.2299, 0.3452 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(7, 167, 158)` looks like.

```
.text, #text, p{  
    color:rgb(7, 167, 158)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(7, 167, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 167, 158) }
```

Border

The CSS property to change the border of an element to Yxy 30.1512, 0.2299, 0.3452 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(7, 167, 158) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(7, 167, 158) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(7, 167, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 167, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 167, 158);  
box-shadow:4px 4px 4px 4px rgb(7, 167,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1512, 0.2299, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 167, 158) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(7, 167,  
158) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor